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4	NAME OF CONTRACTOR			V . 1/4 - 1/		
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	DURING THE PERIOD? X YES N	o (If)	es, give o	details on reverse side.	,	
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	HAS GOVERNMENT-OWNED PROPERTY (If yes, indicate items, quantity,	BEEN DEL and cos	LIVERED TO t on rever	CONTRACTOR DURING THIS ( se side.)	PERIOD? YES	X  "°
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FORM 1897 USE PREVIOUS SECRET GROUP 1 Excluded from automatic downgrading and Approved For Release 2007/07/25 : CIA-RDP78B04747A000100070017-2

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SECRET | GROUP | Excluded from automatic | 6-64 | Approved For Release 2007/07/25 : CIA-RDP78B04747A000100070017-2

2. Item is being delivered to for storag	l.	Contract has been completed.		
	2.	Item is being delivered to	for	storage

3. Item is usable for parts only.

4. Delivery of the item has been delayed for many months primarily because efforts were being made to make some practical use of the unit.

SECRET Approved For Release 2007/07/25 : CIA-RDP78B04747A000100070017-2 CONTRACT INSPECTION REPORT DATE TO: 9 April 1964 INSPECTION REPORT NO. (If final, so state) ENGINEERING SECTION/CB/PD/OL Final Report ESTIMATED COMPLETION DATE Complete TYPE OF COMMODITY OR SERVICE Inege Enhancement Device THE CONTRACTOR WILL PROBABLY REMAIN WITHIN ALLOCATED FUNDS YES NO IF ANSWER IS "NO" ADVISE RECOMMENDATION AND/OR ACTION OF SPONSORING OFFICE, ON THE CONTRACTOR IS ON SCHEDULE REVERSE HEREOF. IF KNOWN. INDICATE MAGNITUDE OF ADDI-TIONAL FUNDS INVOLVED. 1000 PER CENT OF WORK COMPLETED . HAS AN INTERIM REPORT, FINAL REPORT, PROTOTYPE, OR OTHER END ITEM BEEN RECEIVED FROM THE CONTRACTOR DURING THE PERIOD? YES NO (If yes, give details on reverse side.) HAS GOVERNMENT OWNED PROPERTY BEEN DELIVERED TO CONTRACTOR DURING THIS PERIOD? YES (If yes, indicate items, quantity, and cost on reverse side.) OVERALL PERFORMANCE OF CONTRACTOR 7. ACCEPTABLE X EXCELLENT OUTSTANDING BARELY ADEQUATE HIGHLY SATISFACTORY SUPERIOR IF OVERALL PERFORMANCE OF CONTRACTOR IS UNSATISFACTORY OR BARELY ADEQUATE, INDICATE REASONS ON REVERSE SIDE. RECOMMENDED ACTION WITHHOLD PAYMENT PENDING CONTINUE AS PROGRAMMED SATISFACTORY PERFORMANCE other (Specify) Contract should be TERMINATE cettled and closed out. IF TERMINATION IS RECOMMENDED OR IF THIS IS A FINAL REPORT ATTACH COMMENTS IN NARRATIVE FORM ON CONTRACTOR'S PERFORMANCE AND CERTIFY THAT ALL DELIVERABLE ITEMS UNDER THE CONTRACT HAVE BEEN RECEIVED. THESE INCLUDE, WHERE APPLICABLE, THE FOLLOWING: DOES NOT REC'D DOES NOT 1TEM APPLY REC'D **ITEM** APPLY MANUALS PROTOTYPES FINAL REPORT DRAWINGS AND SPECIFICATIONS SPECIAL TOOLING PRODUCTION AND/OR OTHER OTHER GOVERNMENT PROPERTY END ITEMS DATE OF LAST CONTACT WITH CONTRACTOR

25X1

25X1

13 March 1964 DIVISION 25X1 PGDS

INSPECTOR'S EXTENSION

3308

SECRET

GROUP 1 Excluded from automatic (12-36)

FORM 1897 PREVIOUS Approved For Release 2007/07/25: CIA-RDP78B04747A000100070017-2

An analysis of the Image Enhancement Device has revealed that the unit is an operational failure, even though all reasonable effort was made by the contractor to produce a practical image enhancement mechanism. It has been generally agreed that further improvement of the present device cannot be bought with additional time end money.

the previous contract monitor, stated in a 25X1 6 March 1963 trip report, "It is the opinion of the contract monitor that the time and money expended on this program was well spent and personnel directly responsible for the program conscientiously exploited all means at their disposal to fulfill the 25X1 terms of the contract and that failure to accomplish their design objectives is a forthright and honest failure". From 1 March 1963, no further work has been expended on the image enhancement program other than preparation of the final report, 25X1 dated June 1963. The unit has been stored at the 25X1 plant pending decision on a proposed program with to replace the present output stage of the enhancer with a 25X1 laser output stage making use of piezo electric crystals for modulation and scanning. It has since been determined that little would be gained by use 25X1 Enhancer in any further work involving image enhancement concepts. This is due to serious design deficiencies in 25X1 the input and intermediate stages of the It is therefore recommended that final settlement be made and 25X1 that the contract be closed out.

for storage and The enhancer should be shipped to possible future use of its enclosure or other salvagable parts.

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Approved For Release 2007/07	7/25 : CIA	4-RDP78	3B04747A	00010007001	7-2 NO.		
CONTRACT INSTECTION RE	PORT	*			1		
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YPE OF COMMODITY OR SERVICE				9			
Image Enhancement Device			THE CONTRAC	TOR WILL PROBAB	LY REMAIN	WITHIN ALL	DCATED
HE CONTRACTOR IS ON SCHEDULE			FUNDS	X YES	N C	0	
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FORM 11.62 1897 SECRET Excluded from automatic data and Approved For Release 2007/07/25 : CIA-RDP78B04747A000100070017-2

As a result of the final inspection on 28 February 1963 the instrument was rejected and recommendations for final disposition are contained in a memorandum to the Assistant for Plans and Development dated 6 March 1963.

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TO: Inspection Branch/PD/OL	DATE 9 Bovember 1962
REPORT PERIOD: October 1962	CONTRACT #
25X1	REPORT # // (If final, so state)
Contractor	
Address Los Angeles, California	
Trage Enhancement Commodity/Service Device Classificati	on Unclassified
No. Of Prototypes Contract Con	pletion Date 15 August 1962
The Contract is on schedule: Yes	No
The Contractor will remain within his alloca	ted funds: Yes No
An extension of time will be necessary:	Yes No
All phases of the technical progress are sat	ifactory: Yes No
The overall performance of this Contractor i	s: X Satisfactory
NOTE: If unsatisfactory or subject to improvement indicate reasons under	Subject to improvement
comments.	Unsatisfactory
Comments: Overrun approved by TDC. Plant	inspection in November 1962.
	•
Recommended Action:	
	÷
Date of last visit to Contractor's Plant:	25X1
	Inspected by:
	Division & Extension TROS 3591

TO: Inspection Branch/PD/OL	DATE
	1 October 1962 CONTRACT #
REPORT PERIOD:	REPORT 25X1
	(If final, so state)
25X1	
Contractor	
Address Inc Apples, California	
Commodity/Service Classification	on the last trace
No. Of Prototypes 1 Contract Comple	·
The Contract is on schedule: Yes X	
The Contractor will remain within his allocated	
An extension of time will be necessary:	
All phases of the technical progress are satifac	tory:YesNo
The overall performance of this Contractor is:	7 × Satisfactory
NOTE: If unsatisfactory or subject to improvement indicate reasons under comments.  Comments:	Subject to improvement  Unsatisfactory  Topological Constitute
Concinue research & devel	ender de la companya
Recommended Action:	
	25X1 .
Z.V	11 vitit end
Date of last visit to Contractor's Plant:	
	Inspected by: 3591
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TO: Inspection Branch/PD/OL	DATE 27 3.15 1262 2
REPORT PERIOD:	CONTRACT #
	REPORT # 7 (If final, so state)
25X1	(II IIIIal, 80 State)
Contractor	
Address os Angeles, Cal	1fornia
Commodity/Service	Classification
No. Of Prototypes	Contract Completion Date 30 June 1962
The Contract is on schedule:	
The Contractor will remain within	n his allocated funds: Yes Yes No
An extension of time will be nece	essary: Yes No
All phases of the technical progr	
The overall performance of this	
NOTE: If unsatisfactory or subje	ect to im Subject to improvement
provement indicate reason comments.	ons underUnsatisfactory
25X1	
Comments:	was emproved by the Technical Development
Committee. Work is proceed	
Recommended Action:	
Recommended 110 12011	
and the second of the second o	mid Dient.
Date of last visit to Contractor	2
	Inspected by:

: Inspection Branch/PD/OL	DATE 5 July 1962
PORT PERIOD: June 1962	CONTRACT #
	REPORT #(If final, so state)
25X1	(If final, so state)
ontractor	
dress Los Angeles, Californ	
	fication 80-0 Unclassified
o. Of PrototypesContra	ct Completion Date 30 June 1962
ne Contract is on schedule:	Yes No
ne Contractor will remain within his	allocated funds: Yes X No
n extension of time will be necessary	y: Yes No
ll phases of the technical progress a	are satifactory: Yes No
he overall performance of this Contra	actor is: 💹 Satisfactory
OTE: If unsatisfactory or subject to	o im Subject to improvement
provement indicate reasons und comments.	der Unsatisfactory
	veck of 9 July
omments: Contract monitor will to determine validity of oversum.	7401
	· 25X1
r	23/1
Recommended Action:	
Date of last visit to Contractor's Pl	Lant: 5 April 1062
	Inspected by:
	Division & Extension TRE/3591

TO: Inspection Branch/PD/OL	DATE 27 April 1962	
REPORT PERIOD: 1002	CONTRACT #_	
	REPORT #(If final, so stat	
25X1	(If final, so stat	e)
Contractor		
Address Los Angoles, Celifornia		
Commodity/Service Classific	ation <u>Obclassific</u>	
No. Of Prototypes 1 Contract	Completion Date 31 North 1962	
The Contract is on schedule: Yes		
The Contractor will remain within his all		No
An extension of time will be necessary:		
All phases of the technical progress are		No
The overall performance of this Contracto		
		ment
NOTE: If unsatisfactory or subject to improvement indicate reasons under	1/ Subject to improve	11011
comments.	Unsatisfactory	•
Comments: Change in scope approved.		i .
4		
Recommended Action:		
	* 4	
Date of last visit to Contractor's Plant		
Define Or Trub o Arpro 200 Corresponding Franchis		
	Inspected by	

TO: Inspection Branch/PD/OL	DATE	19 March 1962
REPORT PERIORNDED: 19 Mar 62	CONTRACT	2
	REPORT #	6
25X1		(If final, so state)
Contractor		
Address Los Angeles, California Image Enhancement		
Commodity/Service Device Classific	cation	CLASSIFIED
No. Of Prototypes 1 Contract	Completion D	ate Dec 61
The Contract is on schedule:Yes	sNo	
The Contractor will remain within his all	located funds	YesNo
An extension of time will be necessary:	Yes_	x No
All phases of the technical progress are	satifactory:	¥_YesNo
The overall performance of this Contractor	or is: 🖈	Satisfactory
NOTE: If unsatisfactory or subject to in	m- /	Subject to improvement
provement indicate reasons under comments.		Unsatisfactory
Common of a	<i></i> /	
Comments: NPIC EX submitting request for	change in sco	ope which will increase contrac
funding in the amount of and c	auguse down an	.,
Recommended Action:		
Date of last visit to Contractor's Plant	: Nov-	2 Dec 61
		A
in '	Inspecte	a .
	Division	& Extension TP&DS X2839

HF file

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## 25th MONTHLY PROGRESS REPORT

Image Enhancer	nent Program
Contun	<u> </u>
Contrac	Task Order No. 1
1 December 1962 to	18 January 1963

During the period covered by this report work has proceeded in accordance with the program outlined in the previous monthly with the following minor alteration: Phase A, the continuation of the laboratory experimentation, and Phase B, packaging for delivery have been combined in order to effect more economy.

Just prior to dismantling the laboratory setup in preparation for cabinet installation, a number of tests were run which indicated satisfactory results with regard to the overall uniformity and fidelity of the input and output scanning functions. The enclosed photographs are prints which illustrate the performance which was achieved. Print A is a photographic reproduction of the image which was scanned. Prints B and C are reproductions of the original negative material from the camera which photographed the output cathode ray tube. The enhancement circuitry was adjusted to achieve area scan filtering effects which are clearly evident in the photograph B. Print C was made without area scan filtering and only electronic high pass filtering. In both prints B and C the contrast of the smaller detail is increased while the contrast of large detail is decreased.

Work is currently under way on mounting all of the equipment in the console. It has been found possible to mount the output cathode ray tube immediately behind the front panel of the console in the area formerly reserved exclusively for control. This has been achieved by rearranging some of the electronics and will permit more ready access

and convenient operation. It is expected that the packaged equipment will be in operation in early February, thus permitting a resumption of the evaluation experiments. Our schedule for in-plant acceptance of the equipment to be delivered is 28 February 1963.